

Amendments to the Specification:

Please replace paragraph on page 2, beginning at line 23, with the following amended paragraph:

The basic problem solved by the invention is the accurate real-time measurement of the communication traffic load between devices or resources within a network. Figure 1 illustrates elements of a network 10. In a wireless network (which could interface with wired networks), there is a plurality of wired access points (WAPs) 12, 14. At each WAP 12, 14 there is a plurality of so-called e-radios 16, 18, 20; and 22, 24, 26, and associated with each band of each e-radio is an internal load measurement element 28, 30, 32; and 34, 36, 38. Associated with each poletop and each wireless modem is also an internal load measurement element 46, 48, 50 for each band. The same is true for any wireless modem 52 in that a load measurement element 54 is included for each band. Each e-radio, each remote radio, called herein poletops 40, 42, 44, and each wireless modem ~~50~~ 52 may "see" several other e-radios, poletops or wireless modems on point-to-point paths such as v, w, x, y, z. The load measurement elements each monitor the traffic on the point-to-point paths v, w, x, y, z between their associated e-radio, poletop and wireless modem. During any one time cycle the internal load measurement element may be concurrently monitoring loads of many other radios "seen" by its associated e-radio, wireless modem or poletop, as well as the parent radio. (A parent radio is the radio to which each totally wireless radio directs its traffic.) (In selected embodiments, the wireless modems may have limited functionality so that it cannot monitor the load of other wireless modems.)